

# Handling “Large” Requests

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Working with the ENDF or EXFOR Web retrieval system, users can place “large” requests asking for huge amounts of data at one time (for example, user can request full ENDF-B/VII library, or full EXFOR). Such a request can happen either by mistake or when such quantities of data are really needed. When trying to process such a request, the system may encounter difficulties: server may run “out of memory”; user may experience enormously long waiting times with a blocked browser.

A special mechanism has been implemented to handle “large” requests. Estimating the “volume” of requested data, the system detects such cases and offers to user three options:

- check retrieval criteria and correct errors, if any;
- output a listing of evaluations (experimental works for EXFOR) corresponding to the user’s request (Fig.1, 2, 4). The listing contains links offering standard service to call for each Material/Entry separately (Fig.3, 5); EXFOR retrieval system also provides link for a data search by first author;
- standard service - usual search, but with a long waiting time (Fig.1). This option can be offered only if retrieval time is estimated as still reasonable.

As result, this solution (a) avoids blocking of the system, (b) warns the user about a long waiting time and (c) offers minimal data service in most difficult cases.

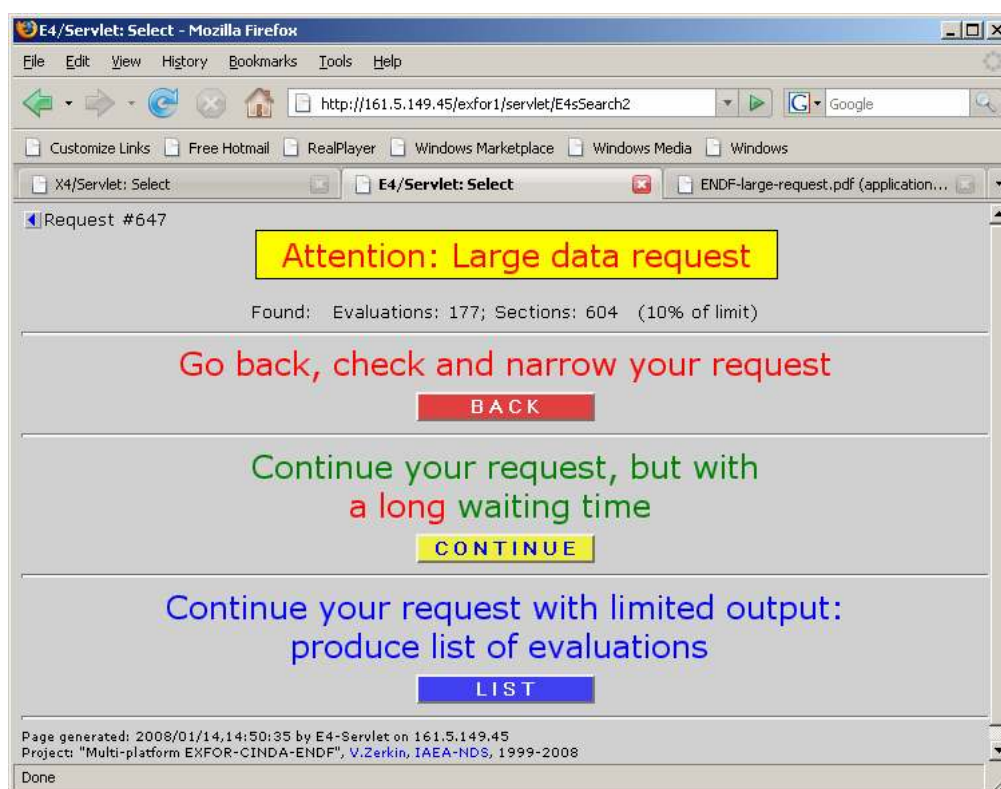


Fig.1. Warning messages when first limit is exceeded, but system can still provide standard service within a reasonable time.

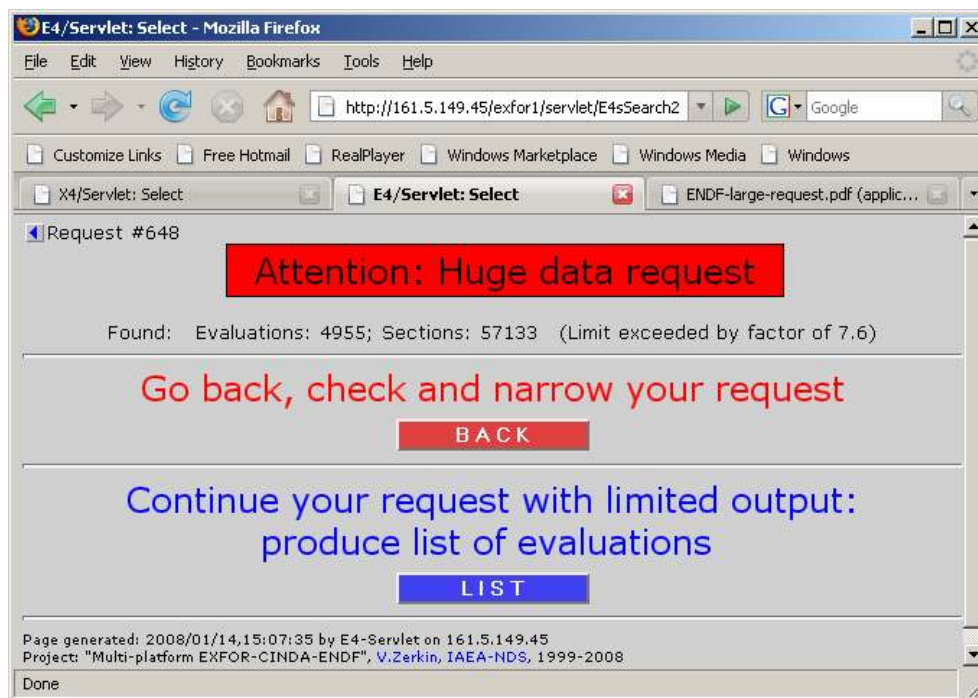


Fig.2 Warning messages when standard retrieval is impossible

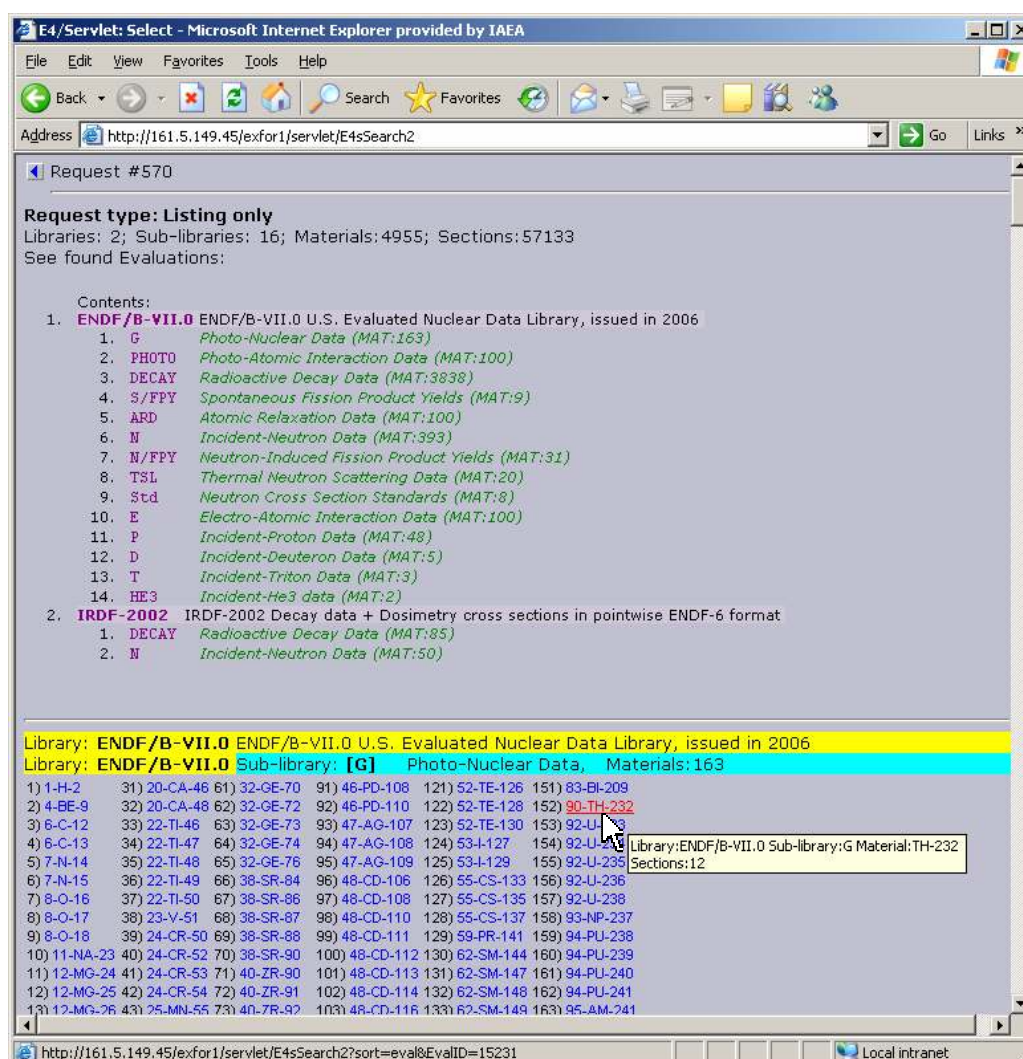


Fig.3 Listing: libraries, sub-libraries and materials with links to standard service



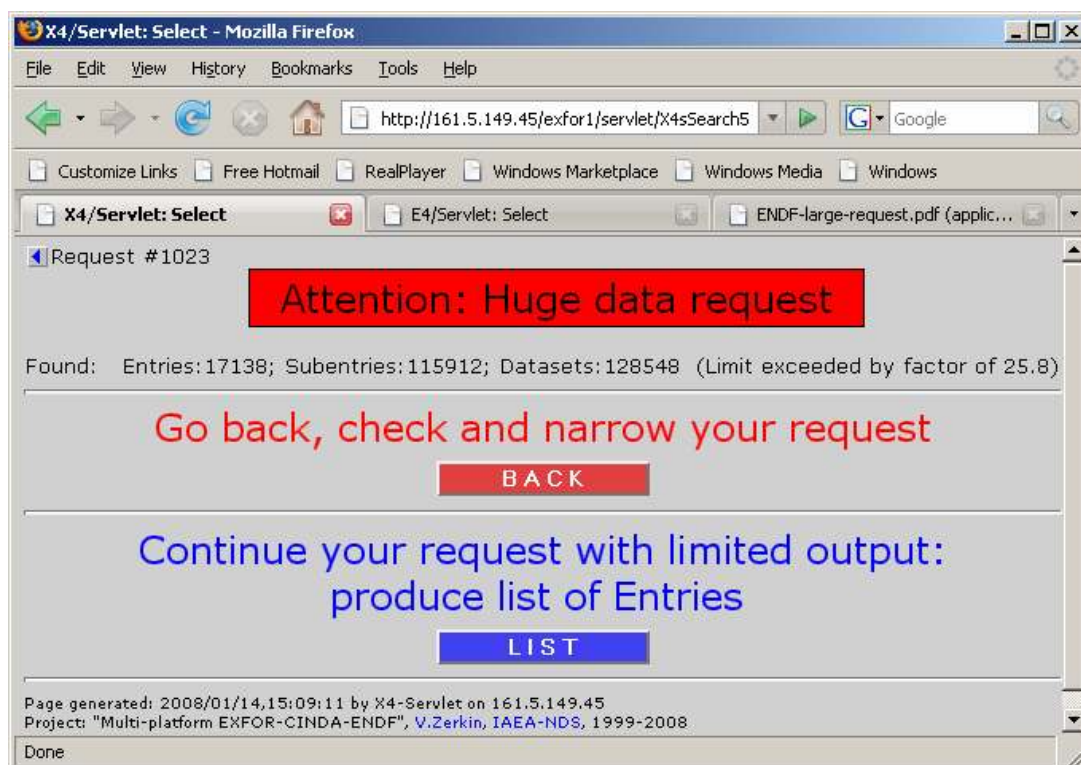


Fig.4 Warning messages in EXFOR

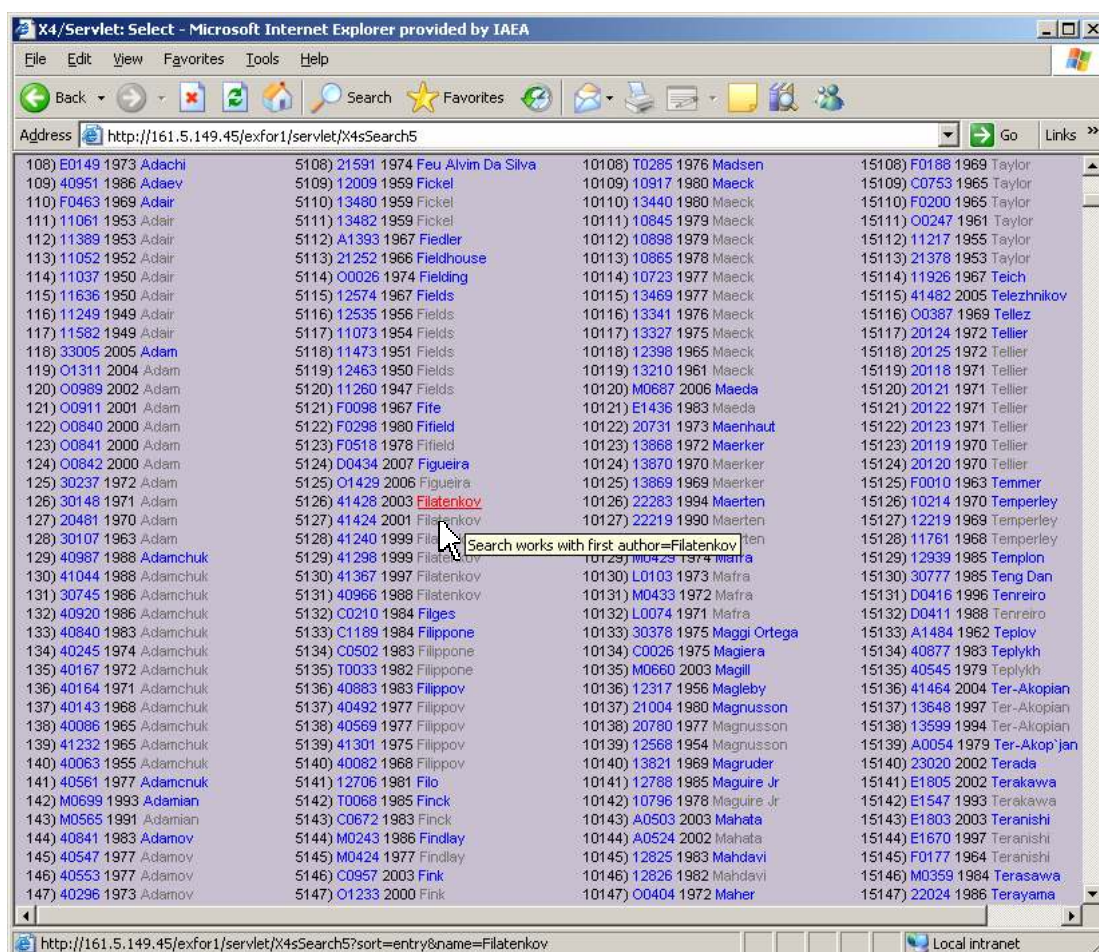


Fig.5 Listing in EXFOR: Entry-Year-Author with links to standard service and search by first author